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NOTICE OF ALLOWANCE AND FEE(S) DUE

20575

7590

04/06/2004

MARGER JOHNSON & MCCOLLOM PC 1030 SW MORRISON STREET PORTLAND, OR 97205

EXAMINER			
STEPHANY, TI	мотну ј		
ART UNIT	PAPER NUMBER		
2622	d		
DATE MAILED: 04/06/2004	χ		

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/527,887	03/20/2000	Chingwei Chang	SLA0253	4391

TITLE OF INVENTION: PHOTO QUALITY COLOR PRINTING BY USING LIGHT BLACK INK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	07/06/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be coappropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE amaintenance fee notifications.	ompleted where
	ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) Note: A certificate of mailing can only be used for domestic	mailings of the
Fee(s) Transmittal. This certificate cannot be used for any othe papers. Each additional paper, such as an assignment or forma 20575 7590 04/06/2004 have its own certificate of mailing or transmission.	r accompanying il drawing, mus
A A D CED TOTAL CONTROL OF THE CONTR	
MARGER JOHNSON & MCCOLLOM PC 1030 SW MORRISON STREET PORTLAND, OR 97205 Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited States Postal Service with sufficient postage for first class mail addressed to the Mail Stop ISSUE FEE address above, or transmitted to the USPTO, on the date indicated below.	with the United l in an envelop- being facsimile
	(Depositor's name)
	(Signature)
	(Date)
APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRM	MATION NO.
09/527,887 03/20/2000 Chingwei Chang SLA0253 4	1391
TITLE OF INVENTION: PHOTO QUALITY COLOR PRINTING BY USING LIGHT BLACK INK	
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nonprovisional NO \$1330 \$0 \$1330 07/0	06/2004
EXAMINER ART UNIT CLASS-SUBCLASS	
STEPHANY, TIMOTHY J 2622 358-001900	
names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered patent attorneys or agent) and the names of up to 2 registered patent attorneys or agent). If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)	
PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent); individual corporation or other private group entity	
Please check the appropriate assignee category or categories (will not be printed on the patent); individual corporation or other private group entity 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s):	governmen
☐ Issue Fee ☐ A check in the amount of the fee(s) is enclosed.	
☐ Publication Fee ☐ Payment by credit card. Form PTO-2038 is attached.	
☐ Advance Order - # of Copies ☐ The Director is hereby authorized by charge the required fee(s), or credit any copies the Account Number (enclose an extra copy of this f	
Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above	
Authorized Signature) (Date)	-
NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.	s w ii∵.
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.	

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PORTLAND, O			ART UNIT	PAPER NUMBER
			2622	
			DATE MAILED: 04/07/200	4

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

		M	
	Application No.	Applicant(s)	
	09/527,887	CHANG, CHINGWEI	
Notice of Allowability	Examiner	Art Unit	-
	Timothy J. Stephany	2622	_ :
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT THE Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica GHTS. This application is subje	application. If not included tion will be mailed in due course. The	
1. X This communication is responsive to March 20, 2000 and M	<u> 1arch 23, 2004</u> .		
2. ☑ The allowed claim(s) is/are <u>1-6</u> .			
3. \boxtimes The drawings filed on <u>23 March 2004</u> are accepted by the E	Examiner.		
 4. Acknowledgment is made of a claim for foreign priority unall all black b	been received. been received in Application Note the summents have been received in the summent of this application. Itted. Note the attached EXAMIN is reason(s) why the oath or decided to be submitted. It is a summitted. It is a summitted in the summent of th	his national stage application from the his national stage application from the ply complying with the requirements ER'S AMENDMENT or NOTICE OF laration is deficient. TO-948) attached TO-948) attached TO-948 attached	3
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/06) Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summ Paper No./Mail 8), 7. ☐ Examiner's Ame 8: ☑ Examiner's Stat 9. ☐ Other	Date	l

Application/Control Number: 09/527,887

Art Unit: 2622

DETAILED ACTION

Response to Arguments

Applicant's arguments, see page 2 of Amendment A, filed March 23, 2004, with respect to specification informalities have been fully considered and are persuasive. On consideration of the inserted definition for "gray component density", it is illustrated in Figure 2 and thus does not constitute new matter. The objections to the specification have been withdrawn.

Applicant's arguments, see page 3 of Amendment A, filed March 23, 2004, with respect to the claim amendment have been fully considered and are persuasive. It has been determined that no new matter has been entered as a result of the changes.

Applicant's arguments, see page 8 of Amendment A, filed March 23, 2004, with respect to drawing designation have been fully considered and are persuasive. The objection to Figure 1 has been withdrawn.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: claims 1-6 are allowed over the prior art, which does not describe, disclose or suggest an arrangement whereby a black generation value is calculated, wherein this value is 100% if the gray component value is below a first threshold and constant above a second threshold, whereby the thresholds are determined by an intensity value of light black ink relative to

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standard black ink, as is essential to the independent claim 1, and thus all its dependent claims (claims 2-6).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy J. Stephany whose telephone number is 703-305-8951. The examiner can normally be reached on 8:30 am - 4:30 pm ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Coles can be reached on 703-305-4712. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EDWARD COLES
SUPERVISORY PATENT EXAMINER
TECHNULOGY CENTER 2600

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